

DECLARATION FOR PATENT APPLICATION (JOINT OR SOLE)
(Under 37 CFR § 1.63; with Power of Attorney)
FROMMER LAWRENCE & HAUG LLP

FLH File No. 50117-03372

As a below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name,
I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first
and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is
sought on the invention ENTITLED:

HOLE TRANSPORTING AGENTS AND PHOTOELECTRIC CONVERSION DEVICE COMPRISING THE SAME
the specification of which

X is attached hereto.

was filed on _____ as Application Serial No. _____,

with amendment(s) through _____ (if applicable, give dates).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including
the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me
to be material to patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s)
for patent or inventor's certificate listed below and have also identified below any foreign application for patent or
inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s)</u>	<u>(List additional applications on separate page):</u>	<u>Priority Claimed!</u>
<u>Number:</u>	<u>Country:</u>	<u>Filed (Day/Month/Year):</u>
00111493.3	Europe	29 May, 2000
		<u>Yes</u> <u>No</u>
		X

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed
below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United
States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the
duty to disclose to the United States Patent and Trademark Office all information known to me to be material to
patentability as defined in Title 37, Code of Federal Regulations, Sec. 1.56, which became available between the filing
date of the prior application and the national or PCT international filing date of this application:

Prior U.S. Application(s) (List additional applications on separate page):
Appln. Ser. Number: Filed (Day/Month/Year): Status (patented, pending, abandoned):

I hereby appoint WILLIAM S. FROMMER, Registration No. 25,506, and DENNIS M. SMID, Registration No. 34,930
or their duly appointed associate, my attorneys, with full power of substitution and revocation, to prosecute this
application, to make alterations and amendments therein, to file continuation and divisional applications thereof, to
receive the Patent, and to transact all business in the Patent and Trademark Office and in the Courts in connection
therewith, and specify that all communications about the application are to be directed to the following correspondence
address:

WILLIAM S. FROMMER, Esq.
c/o FROMMER LAWRENCE & HAUG LLP
745 Fifth Avenue
New York, New York 10151

Direct all telephone calls to:
(212) 588-0800
to the attention of:
WILLIAM S. FROMMER

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on
information and belief are believed to be true; and further that these statements were made with the knowledge that
willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of
Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application
or any patent issued thereon.


<u>INVENTOR(S):</u>	<u>Signature:</u> <u>P.S. Nelles</u>	<u>Date:</u> <u>28/10/01</u>
<u>Full name of sole or first inventor:</u>	<u>Gabriele NELLES</u>	
<u>Residence:</u>	<u>Stuttgart, Germany</u>	
<u>Citizenship:</u>	<u>Germany</u>	
<u>Signature:</u> <u>Akio Yasuda</u>	<u>Date:</u> <u>25/05/01</u>	
<u>Full name of 2nd joint inventor (if any):</u>	<u>Akio YASUDA</u>	
<u>Residence:</u>	<u>Stuttgart, Germany</u>	
<u>Citizenship:</u>	<u>Japan</u>	
<u>Signature:</u> <u>Hans-Werner Schmidt</u>	<u>Date:</u> <u>04/07/01</u>	
<u>Full name of 3rd joint inventor (if any):</u>	<u>Hans-Werner SCHMIDT</u>	
<u>Residence:</u>	<u>Bayreuth, Germany</u>	
<u>Citizenship:</u>	<u>Germany</u>	

(Similarly list additional inventors on separate page)
Post Office Address(es) of inventor(s):
(if all inventors have the same post office address)

SONY International (Europe) GmbH
Kemperplatz 1
D-10785 Berlin
GERMANY

Note: In order to qualify for reduced fees available to Small Entities, each inventor and any other individual or entity
having rights to the invention must also sign an appropriate separate "Verified Statement (Declaration) Claiming [to
Supporting a Claim by Another for] Small Entity Status" form (e.g. for Independent Inventor, Small Business Concern,
Nonprofit Organization, individual Non-Inventor).

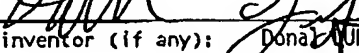
ADDITIONAL INVENTORS

Signature: 
Full name of 4th joint inventor (if any): Thelakkat MUKUNDAN
Residence: Bayreuth, Germany
Citizenship: India

Date: 4/07/2001

Signature: _____
Full name of 5th joint inventor (if any): Haridas R. KARICKAL
Residence: Bayreuth, Germany
Citizenship: India

Date: _____

Signature: 
Full name of 6th joint inventor (if any): Donal MUPO
Residence: Dublin, Ireland
Citizenship: U.S.A.

Date: 13/7/2001

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FROMMER LAWRENCE & HAUG LLP

FLH File No. 50117-03372

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<u>Appln. Ser. Number:</u>	<u>Filed (Day/Month/Year):</u>	

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Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application
or any patent issued thereon.


INVENTOR(S):	<u>FS. Nelles</u>	Date: <u>28.10.01</u>
Signature:		
Full name of sole or first inventor:	Gabriele NELLES	
Residence:	Stuttgart, Germany	
Citizenship:	Germany	
Signature:	<u>Akio Yasuda</u>	Date: <u>25/05/01</u>
Full name of 2nd joint inventor (if any):	Akio YASUDA	
Residence:	Stuttgart, Germany	
Citizenship:	Japan	
Signature:	<u>Hans-Werner Schmidt</u>	Date: <u>04/07/01</u>
Full name of 3rd joint inventor (if any):	Hans-Werner SCHMIDT	
Residence:	Bayreuth, Germany	
Citizenship:	Germany	

(Similarly list additional inventors on separate page)
Post Office Address(es) of inventor(s):
(if all inventors have the same post office address)

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Kemperplatz 1
D-10785 Berlin
GERMANY

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Nonprofit Organization, individual Non-Inventor].

ADDITIONAL INVENTORS

Signature: 

Full name of 4th joint inventor (if any):

Thelakkat MUKUNDAN


Residence:

Bayreuth, Germany

Citizenship:

India

Date:

4/07/2001Signature: 

Full name of 5th joint inventor (if any):

Haridas R. KARICKAL

Residence:

Bayreuth, Germany

Citizenship:

India

Date:

20/7/2001

Signature: _____

Full name of 6th joint inventor (if any):

Donal LUPÓ

Residence:

Dublin, Ireland

Citizenship:

U.S.A.

Date: _____

10-01-2001



FLH Ref. No.: 450117-0337

101862261

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

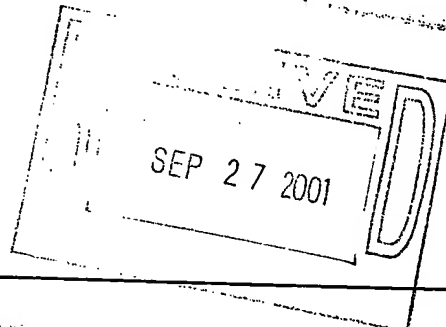
Gabriele NELLES, Akio YASUDA, Hans-Werner SCHMIDT, Thelakkat
MUKUNDAN, Haridas R. KARICKAL, Donald LUPOAdditional name(s) of conveying party(ies) attached?
— Yes ☒ No

2. Name and address of receiving party(ies)

Name: SONY International (Europe) GmbH
Kemperplatz 1
D-10785 Berlin
GERMANYAdditional name(s) & address(es) attached? — Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other

Execution Date(s): May 28, May 25, July 4, July 4 and July
20, July 13, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of
the application is:

A. Patent Application No.(s) 09/866,199 filed May 25, 2001

Additional numbers attached? — Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name: WILLIAM S. FROMMER

Internal Address: FROMMER LAWRENCE & HAUG LLP

Street Address: 745 FIFTH AVENUE

City: NEW YORK State: N.Y. Zip: 10151

6. Total number of applications and
patents involved

1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed
☐ Authorized to be charged to
deposit account 50-0320
8. Deposit account number:
(Attach duplicate copy of this page if paying by deposit
account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true
copy of the original document.

WILLIAM S. FROMMER

Name of Person Signing
10/01/2001 LMUELLER 00000129 09866199

Signature

September 24, 2001

Date

Total number of pages including cover
sheet, attachments, and document: 5

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Commissioner of Patents and Trademarks
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Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems,
PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011),
Washington, D.C. 20503.

ASSIGNMENT

FLH File No. 450117-03372

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

HOLE TRANSPORTING AGENTS AND PHOTOELECTRIC CONVERSION DEVICE COMPRISING THE SAME

for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, SONY International (Europe) GmbH, a German corporation, with offices at Kemperplatz 1, D-10785 Berlin, GERMANY (hereinafter referred to as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number: _____, Filing Date: ____.

This assignment executed on the dates indicated below.

Gabriele NELLES

Name of first or sole inventor

Execution date of U.S. Patent Application

Stuttgart, Germany

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Akio YASUDA

Name of second inventor

Execution date of U.S. Patent Application

Stuttgart, Germany

Residence of second inventor

Signature of second inventor

Date of this assignment

Hans-Werner SCHMIDT

Name of third inventor

Execution date of U.S. Patent Application

Bayreuth, Germany

Residence of third inventor

Signature of third inventor

Date of this assignment

①

FLH File No. 450117-03372

Thekkatt MUKUNDAN

Name of fourth inventor

Execution date of U.S. Patent Application

Bayreuth, Germany

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

04/07/2001

Haridas R. KARICKAL

Name of fifth inventor

Execution date of U.S. Patent Application

Bayreuth, Germany

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

Donal LUPU

Name of sixth inventor

Execution date of U.S. Patent Application

Dublin, Ireland

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

03/17/2001

ASSIGNMENT

FLH File No. 450117-03372

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

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for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

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NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

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Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Akio YASUDA

Name of second inventor

Execution date of U.S. Patent Application

Stuttgart, Germany

Residence of second inventor

Signature of second inventor

Date of this assignment

Hans-Werner SCHMIDT

Name of third inventor

Execution date of U.S. Patent Application

Bayreuth, Germany

Residence of third inventor

Signature of third inventor

Date of this assignment

Thelakkat MUKUNDAN

Name of fourth inventor

Execution date of U.S. Patent Application

Bayreuth, Germany

Residence of fourth inventor

Signature of fourth inventor

Date of this assignment

04/07/2001

Haridas R. KARICKAL

Name of fifth inventor

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Bayreuth, Germany

Residence of fifth inventor

Signature of fifth inventor

Date of this assignment

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Dublin, Ireland

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment